

TRANS CURE-C

• L.E.D. Hygiene Sealant Curing Light • Clinical Diagnostic Transilluminator

The TransCure-C is a combination curing light and Intraoral illumination system designed to be conveniently portable for use in multiple operatories. The system consists of a wall plug-in battery recharger, a power module to provide regulated operating currents for the curing lights and intraoral illuminator, an 8mm turbo fiber optic probe (11mm optional) for hygiene sealants or composites and a 4mm turbo probe for intraoral transillumination.

TransCure-C is manufactured in two models designed to accommodate the different clinical requirements. The following are the models and function:

Model 2910CC Curing and Optional Transillumination:

Sealant or composite curing. Light blue probe with light blue power module.

Model 2910CT Transillumination and Optional Curing:

Transillumination. White probe with white power module.

Operational Description

The TransCure-C system employs intraoral probes which conveniently attach to a replaceable power module. The white probe is used for general diagnostic transillumination. This probe emits white light. The blue probe is used for curing light cured sealants and may also be utilized for curing composites in minor restorative work or for use with veneers. This probe emits intense blue light at 470nm necessary for initiating most light cured materials.

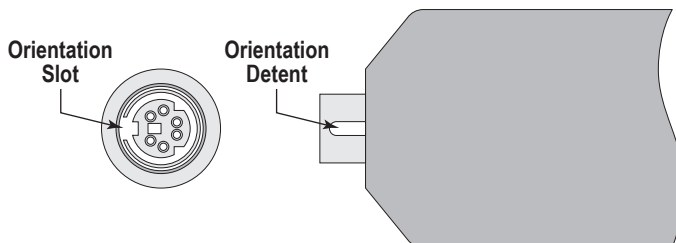
Each of the TransCure-C models operate differently in order to be consistent with their intended use. It is not required to set any controls in order to use each probe since the electronic logic system will automatically recognize which probe is attached to each of the power modules.

Any probe can be stored connected to the battery module and the entire unit placed in an upright position on a counter top. It is not necessary to disconnect the probe from the power module. The power module consists of a series of high capacity rechargeable batteries. These batteries are sensitive to the type of recharging employed. **DO NOT USE ANY OTHER RECHARGING DEVICE.**

When the batteries require recharging, two red indicator warning lights will illuminate. It is not imperative that recharging be accomplished immediately. Adequate battery energy remains for continued operation. It is recommended that a spare battery module be employed to avoid possible light level reduction.

TransCure-C Operation

Before initial use, charge the battery module. To do so, plug the recharger provided into a wall outlet. Plug the power module into the receptacle provided on the front of the recharger. Be certain that the indicator detent on the power module plug is properly aligned with the receptacle on the recharger. **Refer to the diagram below. DO NOT ROTATE** the battery module to "search" for the correct orientation. This can result in bent electrical pins. If the batteries require recharging, the red LED will illuminate continuously. After a period of time, the LED will change from continuous on to blinking. This will indicate that the batteries are fully charged.



The power module may be left connected to the recharger for extended periods of time with no adverse effects. This is especially useful if a spare power module is employed to eliminate the possibility of running out of power.

The high output light guides used with the curing and transillumination probes are designed so that they may be removed for infection control procedures. **When replacing the light guide, insert it FULLY DOWN to avoid light loss.**

The TransCure-C logic sequencing is completely automatic and will commence as soon as the activation switch is depressed. The activation switch is located underneath the identification label on the rear of the power module. Simply depress the center of the label.

In order to accommodate the curing and transillumination functions, different operation cycles are used. When the activation switch is depressed, the device will illuminate for the duration indicated and then automatically deactivate. This cycle may be terminated at any time by depressing the activation switch again.

Model 2910CC Sealant Curing: 25 seconds

Model 2910CT Transillumination: 60 seconds

Infection Control Caution

The curing probes and illuminator probe assemblies consist of a probe handle and light guide that can be separated for infection control procedures. Pull the light guide straight out of the handle. The handle is **NOT** autoclavable and also should **NOT** be exposed to disinfectants. When replacing the light guides, insure that they are fully inserted into the handle to avoid loss of light transmission.

